

MODELS: Pratt & Whitney Hornet S1E-G

T.C. NUMBER: AIC 136

Model - Hornet	S1E-G
Type - 9RA	3:2 reduction gearing
Rating:	
Maximum continuous, hp, rpm, in.Hg., at:	
Rated pressure altitude (ft.)	800-2275-35-5500
S.I. pressure altitude	800-2275-36-S.I.
Take-off (one minute), hp, rpm, in.Hg.	875-2300-40 1/2 850-2500-40 1/2
Fuel (minimum octane aviation gasoline)	87
Bore and stroke, in.	6.125 x 6.375
Displacement, cu. in.	1690
Compression ratio	6.5:1
Weight (dry), lbs.	1068
Propeller shaft, SAE No.	50
Supercharging (impeller gear ratio)	12:1
Carburetion	Stromberg NA-Y9B, NA-Y9G or NA-Y9H carburetor with 2-3/4 in. venturi
Ignition, dual	Scintilla SE9R magnetos
Certification basis	Approved Type Certificate No. 136

NOTE 1. Eligible with automatic power and mixture control, Stromberg NA-Y9C carburetor is used with this control.

NOTE 2. The above rating applies to engine serial numbers 2609, 2611, 2689 to 2697, 2710 to 3113, and 3116 and above. The following rating applies to all engines of this model which have an early type impeller:

Maximum continuous, hp, rpm, in.Hg., at:	
Rated pressure altitude (ft.)	750-2250-35-7000
S.I. pressure altitude	710-2250-35-S.I.
Take-off (one minute), hp, rpm, in.Hg.	850-2400-40 1/2

NOTE 3. Approval expired 4/25/39. No engines of this model manufactured after this date or with serial numbers above 3129 eligible for use in certificated aircraft.